

**GOVERNMENT OF INDIA
WATER RESOURCES
LOK SABHA**

UNSTARRED QUESTION NO:81
ANSWERED ON:18.11.2002
GROUND WATER POTENTIAL
TRILOCHAN KANUNGO

Will the Minister of WATER RESOURCES be pleased to state:

- (a) the present estimate of ground water potential for irrigation, State-wise;
- (b) the percentage of ground water utilization for irrigation till the end of the Ninth Five Year Plan, Plan-wise and State-wise;
- (c) the outlay for Lift Irrigation Programme and the number of electrically and diesel operated pump-sets installed with area of irrigation in each of the States during each of the plan period, State-wise; and
- (d) the Tenth Plan programme for ground water utilization in the States where utilization is marginal?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SMT. BIJOYA CHAKRAVARTY)

(a) & (b) The present estimate of utilizable irrigation potential from ground water in the country is 64 million hectare. The State-wise details of utilizable irrigation potential, utilization during various Plans and their percentage till the end of IX Plan, are given in the enclosed Statement-I.

(c) Plan-wise/State-wise number of pump-sets installed with area of irrigation is not available. However, on the basis of the census of Minor Irrigation Projects, the information regarding number of pump-sets for the years 1986-87 and 1993-94 is given in enclosed Statement-II.

(d) Water being a State subject, the responsibility of planning, funding, execution and implementation of various projects including ground water development primarily lies with the concerned State Government. The Central assistance is provided in the form of Block Loan and Block Grant in the State Plan and is not tied to any project/programme except the amount earmarked under "Special Problems" criterion. Details of X Plan target for creation of irrigation potential in the States through ground water are given in the enclosed Statement-III.

STATEMENT-I REFERRED TO IN REPLY OF PARTS (a) & (b) OF LOK SABHA UNSTARRED QUESTION NO. 81 FOR REP 18.11.2002

PLAN WISE IRRIGATION POTENTIAL CREATED FROM GROUNDWATER

(in million hectares)

States/ UTs	Utilis- able Irriga- tion Potent- ial	Plan-wise Utilisation and their percentage									
		Upto VI tage Plan (1980- 85)	Percen t Utiliz- ation (1985- 90)	Upto VII tage Plan (1985- 90)	Percen t Utiliz- ation (1985- 90)	Upto Annua l Plan (1990- 92)	Percen t Utiliza- tion (1990- 92) (likely)	Upto VIII tage Plan (1992- 97)	Percen t Utiliz- ation (1992- 97)	Upto IX tage Plan (1997- 2002)	Percen t Utiliza- tion (1997- 2002)
Andhra Pradesh	3.960	1.229	31.03	1.544	38.99	1.593	40.23	2.936	74.14	3.311	83.61
Arunachal Pradesh	0.018					0.002	11.11			0.001	5.56
Assam	0.900	0.083	9.22	0.158	17.56	0.178	19.78	0.136	15.11	0.442	49.11
Bihar	4.947	2.232	45.11	3.07	62.05	3.512	70.98	3.543	71.61	4.033	81.51
Goa	0.029	0.001	3.42	0.002	6.83	0.002	6.83	0.004	13.66	0.004	13.66

Gujarat	2.756	1.524	55.30	1.669	60.56	1.71	62.05	2.372	86.07	2.418	87.74
Haryana	1.462	1.348	92.22	1.449	99.13	1.485	101.59	2.306	157.76	2.379	162.76
Himachal Pradesh	0.068	0.011	16.06	0.013	18.98	0.015	21.90	0.021	30.66	0.027	39.42
Jammu & Kashmir	0.708	0.006	0.85	0.007	0.99	0.009	1.27	0.011	1.55	0.013	1.84
Karnataka	2.574	0.472	18.35	0.642	24.95	0.713	27.71	1.299	50.49	1.321	51.34
Kerala	0.879	0.05	5.69	0.089	10.12	0.106	12.06	0.109	12.40	0.177	20.13
Madhya Pradesh	9.732	1.179	12.11	1.44	14.80	1.488	15.29	3.802	39.07	4.167	42.82
Maharashtra	3.652	1.255	34.37	1.547	42.36	1.57	42.99	3.2	87.62	3.549	97.18
Manipur	0.369							0.001	0.27	0.001	0.27
Meghalaya	0.063	0.009	14.17	0.009	14.17	0.009	14.17	0.002	3.15	0.002	3.15
Mizoram	0.005							0.001		0.001	
Nagaland	0.005			0.001		0.001		0.001		0.001	
Orissa	4.203	0.507	12.06	0.57	13.56	0.61	14.51	0.509	12.11	0.555	13.21
Punjab	2.917	3.14	107.64	3.21	110.04	3.246	111.27	6.855	234.99	6.925	237.39
Rajasthan	1.778	1.615	90.84	1.854	104.28	1.954	109.91	4.096	230.39	4.511	253.74
Sikkim				Not Assessed							
Tamil Nadu	2.832	1.14	40.25	1.216	42.94	1.247	44.03	2.253	79.55	2.301	81.25
Tripura	0.081	0.012	14.90	0.017	21.10	0.018	22.34	0.007	8.69	0.013	16.14
Uttar Pradesh	16.799	11.28	67.15	15.65	93.17	17.84	106.21	14.74	87.76	16.34	97.32
West Bengal	3.318	0.672	20.25	1.4	42.19	1.521	45.84	2.038	61.42	2.239	67.48
Total States	64.055	27.76	43.35	35.558	55.52	38.83	60.63	50.24	78.45	54.74	85.47
Total		5			1			5			
Total	0.116	0.058		0.061		0.061		0.063		0.066	

UTs

Grand Total	64.171	27.82	43.44	35.619	55.61	38.89	60.72	50.30	78.54	54.80	85.57
		3				2		8		6	

Source: Draft Report of the Working Group on Minor Irrigation for Formulation of The Tenth Plan (2002-2007) Proposals", Minor Irrigation Division, Ministry of Water Resources.

STATEMENT-I REFERRED TO IN REPLY OF PART (C) OF LOK SABHA UNSTARRED QUESTION NO. 81 FOR REPLY DATED 18.11.2002

STATE-WISE NUMBER OF ELECTRICAL/DIESEL PUMP-SETS AS PER FIRST AND SECOND MICENSUS

S. No States/UTs No. of Pump-sets
1986-87 1993-94

1.	Andhra Pradesh	961475	1476392
2.	Arunachal Pradesh	16	0
3.	Assam	16307	36784
4.	Bihar	560698	763467
5.	Goa	2373	3395
6.	Gujarat	356043	NA
7	Haryana	395204	522384
8.	Himachal Pradesh	3221	3786
9.	Jammu & Kashmir	1316	2131
10.	Karnataka	414805	396178

11.	Kerala	51990	107220
12.	Madhya Pradesh	688989	1337376
13.	Maharashtra	1036155	NA
14.	Manipur	24	43
15.	Meghalaya	440	101
16.	Mizoram	3	12
17.	Nagaland	15	219
18.	Orissa	27808	61890
19.	Punjab	726366	947617
20.	Rajasthan	NA	897952
21.	Sikkim	-	0
22.	Tamil Nadu	1068718	1353461
23.	Tripura	2331	1014
24.	Uttar Pradesh	1679251	2069512
25.	West Bengal	473168	580892
26.	A & N Islands	460	868
27.	Chandigarh	215	NA
28.	D and N Haveli	260	466
29.	Delhi	13670	9690
30.	Pondicherry	6300	4851

Grand Total 8487621 10577701

STATEMENT-III REFERRED TO IN REPLY OF PART (A) OF LOK SABHA UNSTARRED QUESTION NO. 81 FOR REPLY DATED 18.11.2002

TARGET FOR IRRIGATION POTENTIAL FROM GROUND WATER TO BE CREATED DURING TENTH PLAN

(in million hectare)

S. No	States/UTs	Target for Tenth Plan
1.	Andhra Pradesh	0.4174
2.	Arunachal Pradesh	0.0007
3.	Assam	0.3402
4.	Bihar	0.5441
5.	Goa	0.0001
6.	Gujarat	0.0510
7.	Haryana	0.0823
8.	Himachal Pradesh	0.0056
9.	Jammu & Kashmir	0.0021
10.	Karnataka	0.0243
11.	Kerala	0.0756
12.	Madhya Pradesh	0.4059
13.	Maharashtra	0.3881
14.	Manipur	0.0
15.	Meghalaya	0.0001
16.	Mizoram	0.0
17.	Nagaland	0.0
18.	Orissa	0.0512
19.	Punjab	0.0778
20.	Rajasthan	0.4612
21.	Sikkim	0.0
22.	Tamil Nadu	0.0539
23.	Tripura	0.006
24.	Uttar Pradesh	1.7851
25.	West Bengal	0.2245

Total States	4.9972
1. A & N Islands	0.0004
2. Chandigarh	0.0001
3. Dadra and Nagar Haveli	0.0006
4. Daman and Diu	-
5. Delhi	0.0017
6. Pondicherry	-
7 Lakshadweep	-
Total UTs	0.0028
Grand Total	5.0000